T340X

# SEQUENCE LISTING

5	(1) GENE	RAL INFORMATION:
3	(i)	APPLICANT:
	(1)	(A) NAME: Burkly, Linda C.
		(B) STREET: 34 Winthrop Street
		(C) CITY: West Newton
10		(D) STATE: Massachusetts
		(E) COUNTRY: USA
		(F) POSTAL CODE (ZIP): 02165
		(A) NAME: Biogen, Inc.
15		(B) STREET: Fourteen Cambridge Center
		(C) CITY: Cambridge
		(D) STATE: Massachusetts
		(E) COUNTRY: USA
20		(F) POSTAL CODE (ZIP): 02142
20	(ii)	TITLE OF INVENTION: TREATMENT FOR INSULIN DEPENDENT DIABETES
	(iii)	NUMBER OF SEQUENCES: 15
25	(137)	COMPUTER READABLE FORM:
	(10)	(A) MEDIUM TYPE: Floppy disk
		(B) COMPUTER: IBM PC compatible
		(C) OPERATING SYSTEM: PC-DOS/MS-DOS
		(D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
30		
	(v)	CURRENT APPLICATION DATA:
		APPLICATION NUMBER: US 000000 (BGP-151CP)
	(vi)	PRIOR APPLICATION DATA:
		(A) APPLICATION NUMBER: PCT/US94/01456
35	, , , ,	(B) FILING DATE: 09-FEB-1994
	(Vii)	PRIOR APPLICATION DATA:
		(A) APPLICATION NUMBER: US 08/029,330
		(B) FILING DATE: 09-FEB-1993
40	(2) TNEO	DMARTON FOR CEO TO NO. 1.
	(Z) INFO	RMATION FOR SEQ ID NO: 1:
	(i)	SEQUENCE CHARACTERISTICS:
		(A) LENGTH: 360 base pairs
45		(B) TYPE: nucleic acid
		(C) STRANDEDNESS: single
		(D) TOPOLOGY: linear
<b>5</b> 0	(ii)	MOLECULE TYPE: cDNA
50		
	(ix)	FEATURE:
		(A) NAME/KEY: CDS
		(B) LOCATION: 1360
55		
	(ix)	FEATURE:
		(A) NAME/KEY: misc_feature
		<pre>(B) LOCATION: 1 (D) OTHER INFORMATION:/note= "pBAG159 insert: HP1/2 heavy</pre>
		(D) OIDER INFORMATION:/HOUGE "DDAGTOS INSCIO: HET/2 Heavy

chain variable region; amino acid 1 is  $Glu\ (E)$  but  $Gln\ (Q)$  may be substituted"

5		(xi)	SEÇ	QUENC	CE DE	ESCRI	(PTIC	ON: S	SEQ :	[D <b>N</b> (	): 1:	:						
3				CAG Gln													48	3
10				TCC Ser 20													96	5
15				GTG Val													144	1
20				CCT Pro												_	192	2
25				ACT Thr													240	)
				AGC Ser													288	3
30				TGG Trp 100													336	5
35				GTC Val													360	)
40	(2)		(i) S	TION SEQUE A) LE	ENCE ENGTH	CHAI	RACTI	ERIS:	rics									
45			I) IOM	D) TO LECUI QUENO	E TY	OGY:	line	ear cein	SEQ I	ID NO	D: 2	:						
50	Val 1	Lys	Leu	Gln	Gln 5	Ser	Gly	Ala	Glu	Leu 10	Val	Lys	Pro	Gly	Ala 15	Ser		
	Val	Lys	Leu	Ser 20	Cys	Thr	Ala	Ser	Gly 25	Phe	Asn	Ile	Lys	Asp 30	Thr	Tyr		
55			35	Val				40					45					
	Arg	Ile 50	Asp	Pro	Ala	Ser	Gly 55	Asp	Thr	Lys	Tyr	Asp 60	Pro	Lys	Phe	Gln		



	Val 65	Lys	Ala	Thr	Ile	Thr 70	Ala	Asp	Thr	Ser	Ser 75	Asn	Thr	Ala	Trp	Leu 80		
5	Gln	Leu	Ser	Ser	Leu 85	Thr	Ser	Glu	Asp	Thr 90	Ala	Val	Tyr	Tyr	Cys 95	Ala		
10	Asp	Gly	Met	Trp 100	Val	Ser	Thr	Gly	Tyr 105	Ala	Leu	Asp	Phe	Trp 110	Gly	Gln		
	Gly	Thr	Thr 115	Val	Thr	Val	Ser	Ser 120										
15	(2)	INF(		TION QUENC														
20			· (1 (1) (0)		ENGTI (PE : [RANI	H: 31 nucl	18 ba leic ESS:	ase p acio sino	pair:	5								
		(ii)	MOI	LECUI	LE TY	PE:	CDN	A										
25		(ix)	( <i>1</i>	ATURI A) NA B) LO	AME/I OCATI THER	ON:	1C DRMA	CION	:/pro		:= "F	IP1/2	2 lig	ght				
30		(ix)		ATURI	3:			•										
35			( I	3) LO	CATI	ON:	1 ORMA:	 FION:	ature :/not reg:	:e= '	'pBAG	§172	inse	ert:	HP1/	⁄2 ligh	t	
		(xi)	SEÇ	QUENC	CE DI	SCRI	PTIC	ON: S	SEQ I	D NO	): 3:	:						
40		ATT Ile																48
45		AGG Arg																96
50		GCT Ala																144
55		TAT Tyr 170																192
<i>) )</i>		GGA Gly																240

				GCA Ala													288
5				GGG Gly 220													318
10	(2)	INFO	ORMA'	rion	FOR	SEQ	ID 1	10: 4	<b>1</b> :								
15			(1	SEQUI A) LI B) T O) T	ENGTI PE :	H: 10 amir	06 am	nino cid									
				QUENC			_		SEQ 1	ID NO	D: 4:	:					
20	Ser 1	Ile	Val	Met	Thr 5	Gln	Thr	Pro	Lys	Phe 10	Leu	Leu	Val	Ser	Ala 15	Gly	
25	Asp	Arg	Val	Thr 20	Ile	Thr	Cys	Lys	Ala 25	Ser	Gln	Ser	Val	Thr 30	Asn	Asp	
2.0	Val	Ala	Trp 35	Tyr	Gln	Gln	Lys	Pro 40	Gly	Gln	Ser	Pro	Lys 45	Leu	Leu	Ile	
30	Tyr	Tyr 50	Ala	Ser	Asn	Arg	Tyr 55	Thr	Gly	Val	Pro	Asp 60	Arg	Phe	Thr	Gly	
	Ser 65	Gly	Tyr	Gly	Thr	Asp 70	Phe	Thr	Phe	Thr	Ile 75	Ser	Thr	Val 	Gln	Ala 80	
35	Glu	Asp	Leu	Ala	Val 85	Tyr	Phe	Cys	Gln	Gln 90	Asp	Tyr	Ser	Ser	Pro 95	Tyr	
10	Thr	Phe	Gly	Gly 100	Gly	Thr	Lys	Leu	Glu 105	Ile							
	(2)	INFO	ORMA!	rion	FOR	SEQ	ID 1	10: 5	5:								
15		(i)	() ()	QUENCA) LIB B) TY C) ST C) TO	engti /PE : rani	H: 42 nucl	29 ba Leic ESS:	ase p acio sino	pairs 1	3							
50		(ii)	MOI	LECUI	LE TY	PE:	CDNA	4									
55		(ix)	(2	ATURI A) NA B) LO	AME/I			129									
		(ix)	()	ATURI A) NA B) L(	AME/I				ide								

		(ix)	(2	ATURI A) NA B) L(	AME/I		_		tide			-					
5		(ix)	( <i>1</i>	ATURI A) NA B) LO	AME/I OCATI THER	ION: INFO	1 ORMA	- FION	:/not	:e= '	'pBAG	3195	inse	ert:	AS 1	neavy	
10		(		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					regi								
				QUENC									am.	<i>aa</i> ,	GG1	aam	4.0
15				ACC Thr													48
20				CAG Gln 1													96
25				ACC Thr													144
				TAT Tyr											_		192
30				GGA Gly													240
35				CAG Gln 65													288
40				CTG Leu		Leu	Ser	Ser	Val						_	_	336
45				GCA Ala													384
+3				CAA Gln												٠	429
50	(2)	INF	ORMA'	rion	FOR	SEQ	ID 1	vo: 6	<b>6</b> :								
55			(1	SEQUI A) LI B) T' D) T(	ENGTI YPE :	H: 14 amin	13 ar 10 ac	mino cid									

(ii) MOLECULE TYPE: protein (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

Ala His Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Arg  1		Met -19	Asp	Trp	Thr	Trp -15	Arg	Val	Phe	Cys	Leu -10	Leu	Ala	Val	Ala	Pro -5	Gly
Lys Asp Thr Tyr Met His Trp Val Arg Gln Pro Pro Gly Arg Gly Leu 30 35 40 40 45  Glu Trp Ile Gly Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp 50 55 60  Pro Lys Phe Gln Val Arg Val Thr Met Leu Val Asp Thr Ser Ser Asn 65 70 75  Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val 80 80 85 105  Tyr Tyr Cys Ala Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp 95 100 105  Phe Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Glu Ser 110 (2) INFORMATION FOR SEQ ID NO: 7:  (i) SEQUENCE CHARACTERISTICS: (A) LENSTH: 386 base pairs (B) TyPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (ix) FEATURE: (A) NAME/KEY: sig_peptide (B) LOCATION: 1386  (ix) FEATURE: (A) NAME/KEY: mat_peptide (B) LOCATION: 58386  (ix) FEATURE: (A) NAME/KEY: mat_peptide (B) LOCATION: 58386  (ix) FEATURE: (A) NAME/KEY: mat_peptide (B) LOCATION: 58386  (ix) FEATURE: (A) NAME/KEY: misc_feature (B) LOCATION: 58386	5	Ala	His	Ser		Val	Gln	Leu		Glu	Ser	Gly	Pro		Leu	Val	Arg
Lys Asp Thr Tyr Met His Trp Val Arg Gln Pro Pro Gly Arg Gly Leu 30 35 40 40 45  Glu Trp Ile Gly Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp 50 55 50 85 60  Pro Lys Phe Gln Val Arg Val Thr Met Leu Val Asp Thr Ser Ser Asn 65 70 70 85 86 90  Tyr Tyr Cys Ala Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp 95 100 105  Phe Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Glu Ser 110 (2) INFORMATION FOR SEQ ID NO: 7:  (1) SEQUENCE CHARACTERISTICS: (A) LENGTH: 386 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: CDNA  (ix) FEATURE: (A) NAME/KEY: cDs (B) LOCATION: 1386  (ix) FEATURE: (A) NAME/KEY: mat_peptide (B) LOCATION: 58386  (ix) FEATURE: (A) NAME/KEY: misc_feature (B) LOCATION: 1 (D) OTHER INFORMATION:/note= "pBAG198 insert: VK2	10	Pro		Gln	Thr	Leu	Ser		Thr	Cys	Thr	Ala		Gly	Phe	Asn	Ile
15	-	_	Asp	Thr	Tyr	Met		Trp	Val	Arg	Gln		Pro	Gly	Arg	Gly	
65 70 75  20 Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val 80 85 90  Tyr Tyr Cys Ala Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp 95 100 105  Phe Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Glu Ser 110 115 120  (2) INFORMATION FOR SEQ ID NO: 7:  (3) (i) SEQUENCE CHARACTERISTICS:	15	Glu	Trp	Ile	Gly		Ile	Asp	Pro	Ala		Gly	Asp	Thr	Lys		Asp ,
Tyr Tyr Cys Ala Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp 95 100 105  Phe Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Glu Ser 110 115 120  (2) INFORMATION FOR SEQ ID NO: 7:  (i) SEQUENCE CHARACTERISTICS:		Pro	Lys	Phe		Val	Arg	Val	Thr		Leu	Val	Asp	Thr		Ser	Asn
Phe Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Glu Ser 110 115 120  (2) INFORMATION FOR SEQ ID NO: 7:  (3) (i) SEQUENCE CHARACTERISTICS:	20	Gln	Phe		Leu	Arg	Leu	Ser		Val	Thr	Ala	Ala		Thr	Ala	Val
110 115 120  (2) INFORMATION FOR SEQ ID NO: 7:  (i) SEQUENCE CHARACTERISTICS:	25	Tyr	_	Cys	Ala	Asp	Gly		Trp	Val	Ser	Thr	_	Tyr	Ala	Leu	Asp
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 386 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (ix) FEATURE:  (A) NAME/KEY: CDS  (B) LOCATION: 1386  (ix) FEATURE:  (A) NAME/KEY: sig_peptide  (B) LOCATION: 157  (ix) FEATURE:  (A) NAME/KEY: mat_peptide  (B) LOCATION: 58386  (ix) FEATURE:  (A) NAME/KEY: misc_feature  (B) LOCATION: 1  (D) OTHER INFORMATION:/note= "pBAG198 insert: VK2			Trp	Gly	Gln	Gly		Thr	Val	Thr	Val		Ser	Gly	Glu	Ser	
(C) STRANDEDNESS: single (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (ix) FEATURE: (A) NAME/KEY: CDS (B) LOCATION: 1386  (ix) FEATURE: (A) NAME/KEY: sig_peptide (B) LOCATION: 157  (ix) FEATURE: (A) NAME/KEY: mat_peptide (B) LOCATION: 58386  (ix) FEATURE: (A) NAME/KEY: misc_feature (B) LOCATION: 1  (D) OTHER INFORMATION:/note= "pBAG198 insert: VK2	30	(2)		SE(	7) FE SAENC	CE CI	HARAG	CTERI	STIC	CS: pairs	5						
(ix) FEATURE:  (A) NAME/KEY: CDS (B) LOCATION: 1386  (ix) FEATURE:  (A) NAME/KEY: sig_peptide (B) LOCATION: 157  (ix) FEATURE:  (A) NAME/KEY: mat_peptide (B) LOCATION: 58386  (ix) FEATURE:  (A) NAME/KEY: misc_feature (B) LOCATION: 1  (D) OTHER INFORMATION:/note= "pBAG198 insert: VK2	35			((	c) si	RANI	DEDNI	ESS:	sing						•		
(A) NAME/KEY: CDS (B) LOCATION: 1386  (ix) FEATURE: (A) NAME/KEY: sig_peptide (B) LOCATION: 157  (ix) FEATURE: (A) NAME/KEY: mat_peptide (B) LOCATION: 58386  (ix) FEATURE: (A) NAME/KEY: misc_feature (B) LOCATION: 1 (D) OTHER INFORMATION:/note= "pBAG198 insert: VK2			(ii)	MOI	LECUI	E TY	PE:	CDNA	4								
(A) NAME/KEY: sig_peptide (B) LOCATION: 157  (ix) FEATURE: (A) NAME/KEY: mat_peptide (B) LOCATION: 58386  (ix) FEATURE: (A) NAME/KEY: misc_feature (B) LOCATION: 1 (D) OTHER INFORMATION:/note= "pBAG198 insert: VK2	<b>1</b> 0			( <i>I</i>	A) NA B) LO	ME/I			886								
(A) NAME/KEY: mat_peptide (B) LOCATION: 58386  (ix) FEATURE:  (A) NAME/KEY: misc_feature  (B) LOCATION: 1  (D) OTHER INFORMATION:/note= "pBAG198 insert: VK2	15		(ix)	( ]	4) NA	ME/I		_	_	ide							
(A) NAME/KEY: misc_feature (B) LOCATION: 1 (D) OTHER INFORMATION:/note= "pBAG198 insert: VK2	50		(ix)	( ]	A) NA	ME/I				ide							
	55		(ix)	( <i>1</i>	A) NA B) LO	ME/I CATI THER	ON:	1 ORMA	TION:	:/not	:e= '					VK2	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

5		GGT Gly															. 48	
		CAC His				_		_	_							_	96	
10		GTG Val 15															144	
15		AAT Asn															192	
20		CTG Leu															240	
25		AGC Ser															288	
		CAG Gln															336	
30		CCG Pro 95															384	
35	TG	T. 177		n	FOR	ano	TD 1										386	
40	(2)	INF	(i) 8 (i) (1)	SEQUI A) LI 3) T	ENCE ENGTI YPE :	SEQ CHAI H: 1: amin DGY:	RACTI 28 ar 10 ac	ERIST mino cid	rics	_						_		
45		(ii) (xi)				YPE: ESCR:	_		SEQ :	ID NO	D: 8:	<b>:</b>						
50	-19	Gly			-15					-10					- 5			
50		His Val		1				5					10					
55		15 Asn					20					25						
	30					35					40					45		
1	ьeu	Leu	тте	Tyr	тyr	Ala	ser	asn	arg	Tyr	ınr	σтλ	val	PLO	ьер	чгд		

50 55 60

Phe Ser Gly Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser
65 70 75

Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Asp Tyr Ser 80 85 90

Ser Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Lys 10 95 100 105

### (2) INFORMATION FOR SEQ ID NO: 9:

15 (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 1347 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

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(ii) MOLECULE TYPE: cDNA

#### (ix) FEATURE:

25 (A) NAME/KEY: CDS

(B) LOCATION: 1..1338

#### (ix) FEATURE:

- (A) NAME/KEY: VCAM-1 gene segment
- (B) LOCATION: 1..219
- (D) OTHER INFORMATION: This portion of the sequence corresponds, in part, to Exons I, II and III nucleotide sequence of Cybulsky et al. Proc. Nat'l. Acad. Sci. USA 88: 7861(1991).

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#### (ix) FEATURE:

- (A) NAME/KEY: Hinge region
- (B) LOCATION: 220..229
- (D) OTHER INFORMATION: This portion of the sequence corresponds, in part, to Fig. 12A in PCT/US92/02050 and represents the hinge region of Human IgGl heavy chain constant region.

#### (ix) FEATURE:

- (A) NAME/KEY: Heavy chain constant region 2
- (B) LOCATION: 230..338
- (D) OTHER INFORMATION: This portion of the sequence corresponds, in part, to Fig. 12A in PCT/US92/02050 and represents the heavy chain constant region 2 of Human IgGl heavy chain constant region.

## (ix) FEATURE:

- (A) NAME/KEY: Heavy chain constant region 3
- (B) LOCATION: 339..446
- (D) OTHER INFORMATION: This portion of the sequence corresponds, in part, to Fig. 12A in PCT/US92/02050 and represents the heavy chain constant region 3 of Human IgGl heavy chain constant region.

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

5			GTC Val 115							48
10			TCT Ser							96
15			CAG Gln							144
			TCC Ser							192
20			AAG Lys							240
25			AGT Ser 195							288
30			AGG Arg							336
35			GAT Asp							384
			ACA Thr							432
40	•		ATA Ile			_	_			480
45			GAG Glu 275							528
50			TTT Phe							576
55			AAA Lys							624
			GTA Val							672

								GGA Gly 345				720
5								ATC Ile				768
10								GAA Glu				816
15								CAT His				864
20								CGG Arg				912
								AAG Lys 425				960
25								GAG Glu			1	.008
30								TAC Tyr			1	.056
35								CTG Leu			<b>.</b>	.104
40								TGG Trp			1	.152
								GTG Val 505			1	.200
45								GAC Asp			1	.248
50								CAT His			1	.296
55								CCG Pro			1	.338
	TGAG	GTGC	<b>3</b> G								1	.347

	(2) INFORMATION FOR SEQ ID NO: 10:	
5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 24 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
10	(ii) MOLECULE TYPE: cDNA	
15	<ul> <li>(ix) FEATURE:</li> <li>(A) NAME/KEY: CDS</li> <li>(B) LOCATION: 623</li> <li>(D) OTHER INFORMATION: This corresponds to Kinase Primer 370-31.</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:	
25	TCGTC GAC AAA ACT CAC ACA TGC C Asp Lys Thr His Thr Cys 1 5	24
	(2) INFORMATION FOR SEQ ID NO: 11:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 24 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(ii) MOLECULE TYPE: cDNA	
40	(ix) FEATURE:  (A) NAME/KEY:  (B) LOCATION:  (D) OTHER INFORMATION: This corresponds to Kinase  Primer 370-32.	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:	,
	GTAAATGAGT GCGGCGGCCG CCAA	24
50	(2) INFORMATION FOR SEQ ID NO: 12:	
55	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 115 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
,	(ii) MOLECULE TYPE, CDNA	

5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:	
J	GCGGCCGCGG TCCAACCACC AATCTCAAAG CTTGGTACCC GGGAATTCAG ATCTGCAGCA	60
	TGCTCGAGCT CTAGATATCG ATTCCATGGA TCCTCACATC CCAATCCGCG GCCGC	115
10	(a)	
	(2) INFORMATION FOR SEQ ID NO: 13:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 41 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(ii) MOLECULE TYPE: cDNA	
	(ix) FEATURE: (A) NAME/KEY: CDS (B) LOCATION: 2141	
25	(B) Bothiron, Britis	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:	
30	GAGCTCGAGG CGGCCGCACC ATG CCT GGG AAG ATG GTC GTG  Met Pro Gly Lys Met Val Val  1 5	41
35	(2) INFORMATION FOR SEQ ID NO: 14:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 23 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: single</li></ul>	
40	(D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA	
45		*
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:	
50	AAGTCGACTT GCAATTCTTT TAC	23
	(2) INFORMATION FOR SEQ ID NO: 15:	
55	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 14 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>	

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(ii) MOLECULE TYPE: cDNA

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:

TCGACGCGGC CGCG